SHEET 1 OF 3

				<del></del>									
FO	RM PTO-	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE						ATTY DOCKET NO: GELLERFORS=2			SERIAL NO: 10/048,234		
	LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)					APPLICANT: GELLERFORS, et al.							
	,				FILING DATE:	January 28, 2002		GROUP:					
				U.S. P.	ATEN	T DOC	UMEN	TS (in	clude at least patentee, patent number and issue date)				
R	INITIAL		DOCUMENT NUMBER			DATE	PATENTEE	CLASS	SUB- CLASS	FILING DATE IF APPROP.			
P E JC/3 FOI				FOREIGN PATENT DOCUMENTS (incl				'S (incl	ude at least document number, publication date and country)				
r I		삙	DOCUMENT NUMBER					DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES/NO	
1057	K3_	Ş/A	9 9	3	7	3	2	5	25JUL1999	WIPO			YES
OTHER DOCUMENTS (include author, title, name of publication, volume, pages & date of publication)													
AB AMANN, et al., Vectors bearing a hybrid trp-lac promoter useful for regulated expression of cloned genes in Escherichia co. 25, pgs. 167-178, November 1983.							i <u>ia co</u> li, GENE, vol.						
AC ANDERSON, et al., Purification and Properties of Uroporphyrinogen I Synthase from Human Erythrocytes, THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 255, no. 5, pgs. 1993-1999, March 10, 1980.							RNAL OF						
AD ANDERSSON, C., Thesis, Acute Intermittent Porphyria in Northern Sweden A Population-Based Study, ISBN 91/7191/280/0							1/280/0, 22-23, 1997.						
AE AWAN, et al., Reconstitution of the Holoenzyme Form of Escherichia coli Porphobilinogen Deaminase from Apoenzyme with Porphobilinogen and Preuroporphyrinogen: A Study Using Circular Dichoroism Spectroscopy, BIOCHEMISTRY, vol. 36, no. 30, pgs. 9282, May 1997.								me with 36, no. 30, pgs. 9273-					
AF BEUTLER, et al., Enzyme Replacement Therapy for Gaucher Disease, BLOOD, Vol. 78, No. 5, pp. 1183-1189, Septem						nber 1991.							
AG BRADY, et al., Evolution of Enzyme Replacement Therapy for Lipid Storage Diseases, LIFE SCIENCES, Vol. 15, pp. 1235-1248  AH BRADY, et al., Replacement Therapy for Inherited Enzyme Deficiency, THE NEW ENGLAND JOURNAL OF MEDICINE, Vol. 19, pp. 989-993, November 1974.  AI BROWNLIE, et al., The three-dimensional structures of mutants of porphobilinogen deaminase: Toward an understanding of the spasis of acute intermittent porphyria, PROTEIN SCIENCE, Vol. 3, pp. 1644-1650, 1994							1235-1248.						
							CINE, Vol. 291, No.						
							ing of the structural						
	AJ DANOS, et al., Safe and efficient generation of recombinant retroviruses with amphotropic and ecotropic host ranges, Proc. Natl. Aca Vol. 85, pp. 6460-6464, September 1988.							Proc. Natl. Acad. Sci.,					
AK DARNELL, et al., Molecular Cell Biology, Third Edition, 299-300, Scientific American Books, 1995.  AL DOSS, et al., <u>Urinary Porphyrin Excretion Pattern and Isomer Distribution of I and III in Human Porphyrin Disorders, First Internal Porphyrin Meeting, Freiburg i.Br., pp. 189-204, 1975.  AM DRANOFF, et al., <u>Vaccination with irradiated tumor cells engineered to secrete murine granulocyte-macrophage colony-stimulating stimulates potent, specific, and long-lasting anti-tumor immunity, Proc. Natl. Acad. Sci., Vol. 90, pp. 3539-3543, April 1993.</u></u>													
							First International						
							y-stimulating factor 1993.						
AN FEINSTEIN, et al., Reversal of H <sub>2</sub> O <sub>2</sub> , toxicity in the acatalasemic mouse by catalase administration: Suggested model for replacement therapy of inborn errors of metabolism, J. LAB. & CLIN. MED., Vol. 68, No. 6, pp. 952-957, December 1996						o <u>r possib</u> le 996.							
AO FORMGREN, et al., Effects of Light of Different Wavelengths on the Porphyrin Concentration in the Harderian Gland of the Hamster, Porphyrins in Human Diseases, 1 <sup>st</sup> Int. Porphyrin Meet. Freiburg/Br. pp. 380-384, Karger, Basel, 1976							of the Golden						
	-	AP	GOLD, e	t al., <u>Hig</u> l	1-Level	Transl	ation In	itiation	, METHODS OF E	NZYMOLOGY, vol.	185, pgs. 89-9	3, 1990.	<del></del>
	AQ GRAHAM, et al., Characteristics of a Human Cell Line Transformed by DNA from Human Adenovirus Type 5, J. Gen. Virol., V 59-74, 1977.							. Virol., Vol. 36, pp.					
AR GRANDCHAMP, BERNARD, Acute Intermittent Porphyria, SEMINARS IN LIVER DISEASE, vol. 18, no. 1, pgs. 17-24							-24, 1998.						
	AS GRANDCHAMP, B., et al., <u>Tissue-specific expression of porphobilinogen deaminase- Two isoenzymes from a single gene</u> , Eur. J. Bioch 162: 105-110, 1987.								gene, Eur. J. Biochem.				
	AT Abstract of GRANDCHAMP, B., et al., Review: molecular pathogenesis of hepatic acute porphyrias, J-Gastroenterol-Hepatol, 11(11): 1046 1052, 1996.								lepatol, 11(11): 1046-				
	ts_	AU (	GROB, e	i al., <u>Hae</u> a CELLU	m Preci	ursors a ND M	nd Port OLEC	phobili JLAR	nogen Deaminase ir BIOLOGY, vol. 43(	Erythrocytes and Lyi (1), pgs. 29-35, 1997.	nphocytes of	7 7	ute Intermittent
EX.	AMINER		∠	<u>_ك</u>						DATE CONSIDER	ED lo	11106	
EX.	EXAMINER: Initial if reference considered. Draw line through citation if not in conformance and not considered. Include copy of this form												

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO: GELLERFORS=2	SERIAL NO: 10/048234P				
<u> </u>		APPLICANT: GELLERFORS, et al.					
	CUMENTS CITED BY APPLICANT se several sheets if necessary)		DEC 1 3 200				
		FILING DATE: January 28, 2002	GROUP:				
10		r, title, name of publication, volume, pages and date of publication)					
AV AV		Arginate in Acute Hepatic Porphyria, The Lancet, 1: 1295-1297, June 10, 1989.					
AW	JEANS, et al., Mortality in Patients with Acute Intermittent Porphyria Requiring Hospitalization, American Journal of Medical Ge 269-273, 1996.						
AX	SHOOLINGIN-JORDAN, et al., Dipyrromethane Cofactor Assembly of Porphobilinogen Deaminase: Formation of Apoenzyme Preparation of Holoenzyme, METHODS IN ENZYMOLOGY, vol. 281, pgs. 317-327, 1997.						
AY.	JORDAN, et al., <u>Purification</u> , <u>crystallization</u> and properties of porphobilinogen deaminase from a recombinant strain of <i>Escherichia coli</i> BIOCHEM. J., vol. 254, pgs. 427-435, 1988.						
AZ .	JORDAN, Peter M., The biosynthesis of uroporphyrinogen III: mechanism of action of porphobilinogen deaminase, WILEY, CHICL (CIBA FOUNDATION SYMPOSIUM 180), pgs. 70-96, 1994.						
BA	KAYA, et al., <u>Human &amp; Aminolevulinate DehmRNAs</u> , GENOMICS, vol. 19, pgs. 242-248,	f the Erythroid and Housekeeping					
ВВ	LAEMMLI, Cleavage of Structural Proteins during the Assembly of the Head of Bacteriophage T4, NATURE, vol. 227, pgs. 68 15, 1970.						
ВС	LAMBERT, et al., <u>Structural studies on porphobilinogen deaminase</u> , WILEY, CHICHESTER (CIBA FOUNDATION SYMPORTS, 97-110, 1994.						
BD	LEE, et al., Identification of the most common mutation within the porphobilingen deaminase gene in Swedish patients with acute intermittent porphyria, Proc. Natl. Acad. Sci., Vol. 88, pp. 10912-10915, December 1991.						
BE	LEWIS, et al., Genetic and Molecular Analysis of Spontaneous Respiratory Deficient (res') Mutants of Escherichia coli K-12, MIC IMMUNOL., vol. 35(4), pgs. 289-301, 1991.						
BF	LITHNER, et al., Hepatocellular Carcinoma in Patients with Acute Intermittent Porphyria, Acta. Med. Scand, 215: 271-274						
BG	LOUIE, et al., Structure of porphobilinogen deaminase reveals a flexible multidomain polymerase with a single cataly 359, pp. 33-39, September 1992.						
вн	LOUIE, et al., The Three-Dimensional Structure of Escherichia coli Porphobilinogen Deaminase at 1.76-Å Resolution, PROTEINS STRUCTURE, FUNCTION, AND GENETICS, vol. 25, pgs. 48-78, 1996.						
Ві	MAKRIDES, Savvas C., Strategies for Achieving High-Level Expression of Genes in Escherichia coli, MICROBIOLOGICAL REVol. 60, no. 3, pgs. 512-538, September 1996.						
BJ	MANIATIS, et al., Molecular Cloning A Laboratory Manual, Cold Spring Harbor Laboratory, 440-44, 1982.						
BK	MANIATIS, et al., Molecular Cloning A Laboratory Manual, Cold Spring Harbor Laboratory, 150-160, 1982.						
BL	MEYER, et al., Intermittant Acute Porphyria - Demonstration of a Genetic Defect in Porphobilinogen Metabolism, The New England of Medicine, Vol. 286, No. 24, pp. 1277-1282, June 15, 1972.						
ВМ	MILLER, et al., Improved Retroviral Vectors	for Gene Transfer and Expression, BioTechniques, 7(9): 980-990, 1989.					
BN	MIYAGI, et al., <u>Uroporphyrinogen I synthase</u> ACAD. SCI. USA, vol. 76, no. 12, pgs. 6172-	from human erythrocytes: Separation purification, and properties of isoenzymes, PROC. NATL. 6176, December 1979.					
ВО	MOREAU-GAUDRY, et al., Correction of the Mediated Gene Transfer, Human Gene Therap	Enzyme Defect in Cultured Congenital Erythropoietic Porply, Vol. 6, pp. 13-20, January 1995.	hyria Disease Cells by Retrovirus-				
ВР	MORRISON, D.A., <u>Transformation and Prese</u> pgs. 326-331, 1979.	rvation of Competent Bacterial Cells by Freezing, METHODS IN ENZYMOLOGY, vol. 68,					
BQ	MUSTAJOKI, et al., Heme in the Treatment of Porphyrias and Hemotological Disorders, Seminars in Hemotology, January 1989,						
BR	NOVEX, NuPAGE Electrophoresis System, Instruction Booklet, pgs. 1-27, 1997.						
BS	PIERCE INSTRUCTIONS, BCA Protein assay kit, Protein Assay, Technical Handbook, version 4/1997, pgs. 1-17, 1997.						
ВТ	RAICH, et al., Molecular cloning and complete primary sequence of human erythrocyte porphobilinogen deaminase, Nucleic Acid Research, 14(15): 5955-5968, 1986						
BU	SAIKI, et al., Enzymatic Amplification of β-Globin Genomic Sequences and Restriction Site Analysis for Diagnosis of Sickle Cell Anemia Science, 230: 1350-1354, December 1985.						
BV	SASSA, Diagnosis and Therapy of Acute Inter	rmittent Porphyria, Blood Reviews, 10: 53-58, 1996.					
EXAMINER	ANU	DATE CONSIDERED &					
EXAMINER: Initial if reference considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO: GELLERFORS=2	SERIAL N	O: 10/048,234				
		CUMENTS CITED BY APPLICANT several sheets if necessary)	APPLICANT: GELLERFORS, et al.		ON E JONG				
			FILING DATE: January 28, 2002	GROUP:	DEC 1 3 2002				
		U.S. PATENT DOCUMENTS (inc	clude at least patentee, patent number and issue date	)	THE TO				
		OTHER DOCUMENTS (include author, ti	tle, name of publication, volume, pages & date of pu	blication)	PRADEMA				
128	BW	STEPHENS, et al., The bovine papillomavirus	genome and its uses as a eukaryotic vector, Biochem. J.	, 248: 1-11, 1	987.				
	вх	STRAND, et al. Heme Biosynthesis in Intermit Increased Delta Aminolevulinic Acid Synthetas 1970.	tent Acute Porphyria: Decreased Hepatic Conversion of se Activity, Proceedings of the National Academy of Sc	Porphobiling ience, 67(3):	ogen to Porphyrins and 1315-1320, November				
	BY	TISHLER, et al., <u>High Prevalence of Intermitte</u> 1436, December 1985.	nt Acute Porphyria in a Psychiatric Patient Population,	Am. J. Psychi	iatry, 142(12): 1430-				
	BZ	WALDENSTRÖM, Studien Über Porphyrie, A	cta. Med. Scand., Suppl 82: 3-63, 1937. Not in Englis	h.					
	CA	WELLAND, et al. Factors Affecting the Excre Diet, Metabolism, 13(3): 232-250, March 196	tion of Porphyrin Precursors by Patients with Acute Inte 4.	n of Porphyrin Precursors by Patients with Acute Intermittent Porphyria I. The Effect of					
	СВ	WETTERBERG, A Neuropsychiatric and Genetical Investigation of Acute Intermittent Porphyria, Scandinavian University Books, 12-15, (1967).							
	cc -	WETTERBERG, et al., Effects of Light of Diff Hamster, PORPHYRINS IN HUMAN DISESE	ferent Wavelengths of the Porphyrin Concentration in th S, 1 <sup>st</sup> Int. Porphyrin Meet., pgs. 380-384, 1976.	e Harderian (	Gland of the Golden				
	CD	WETMUR, et al., Molecular cloning of a cDN	A for human ô-aminolevulinate dehydratase, GENE, vol	l. 43, pgs. 123	3-130, 1986.				
	CE	YEUNG, et al., Early-Onset Chronic Renal Fai 92-98, Winter 1983.	lure as a Complication of Acute Intermittent Porphyria,	Quarterly Jou	imal of Medicine, 205:				
	CF	YOO, et al., Hydroxymethylbilane Synthase: C 15: 21-29, 1993.	Complete Genomic Sequence and Amplifiable Polymorp	hisms in the I	<u>luman Gen</u> e, Genomics,				
	cG	HEMEBIOTECH A/S, Reg. Affairs, Internal N human Porphobilinogen Deaminase, Final Edit	o. 01990003, Scientific Report - Development of an exp ion, pp. 1-24, July 1999	oression syste	m for recombinant				
	СН	HEMEBIOTECH A/S, Reg. Affairs, Internal N pp. 1-17, May 2000.	o. 01000043, Technical Report - Master and Working C	ell Bank Dev	relopment, Final Edition,				
PS	CI.	HEMEBIOTECH A/S, Reg. Affairs, Internal N His, Final Edition, pp. 1-15, 1999.	o. 01990001, Scientific Report - Development of a meth	nod for the pu	rification of rhPBGD-				
					<u></u>				
				,					
EXAMINER	1		DATE CONSIDERED &	okilol	,				
EXAMINER: Initial if reference considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									